

Industrial Mobile Solutions

8300 SERIES



- Programmable in : BASIC, C & Application Generator
- 1MB program memory + 256KB data memory
- Two keypad layouts, 24 or 39 keys
- Ideal for Industrial, Harsh Environment - IP65
- Better line-of-sight, up to 1,000 Mtrs
- Up to 36 hours of operation per charge

8300 SERIES

8300 SERIES Industrial Mobile Solutions

Specifications

RF Terminals

Model	8310 NB-433 MHz	8350 SS-2.4 GHz	8360 Bluetooth Class 1	8370 IEEE-802.11b
Frequency:	433.12~434.62 MHz	2.4000~2.4835 GHz	2.402~2.4835 GHz	2.4~2.5 GHz
Modulation:	FSK	FHSS	GFSK, 1Mbps, 0.5BT Gaussian	DSSS with DBPSK (1Mbps) DQPSK (2Mbps), CCK (5.5 & 11Mbps)
Data Rate:	9,600 bps	19,200 bps	433Kbps	11, 5.5, 2, 1Mbps auto-fallback
Channels:	4	6	Standard	Standard
Power:	10mW MAX	100mW MAX	100mW MAX	100mW MAX
Coverage:	200M line-of-sight	1,000M line-of-sight	250M line-of-sight	250M line-of-sight
Standard:	ETSI	ISM	Bluetooth Spec. V1.1	IEEE 802.11b & Wi-Fi compliance

Power

Operation battery:	Li-ion 3.7V, 700mAh			Li-ion 3.7V, 1800mAh
Backup battery:	3.0V, 7.0mAh, rechargeable Lithium			
Working hours:	24 hours	8 hours	36 hours	16 hours

Environmental

Operating Temperature:	-20° C to 60° C	0° C to 50° C
Storage Temperature:	-30° C to 70° C	-20° C to 70° C
Humidity:	Non-condensed 5% to 95%	Non-condensed 10% to 90%
Shock resistance:	1.2M drops onto concrete	
EMC regulation:	FCC class-A, CE, C - Tick	
IP Rating:	65	

Base Stations & Access Points

Model	3510 (433MHz)	3550 (2.4GHz)	3560 (Bluetooth Class 1)	Access Point
Frequency:	433.12~434.62MHz	2.4000~2.4835 GHz	2.402~2.4835 GHz	Works with
Base to PC:	RS232	RS232	Output Power: 100mW	Commercially
Baud Rate:	115,200 bps	115,200 bps	Profile: BNEP	Available Standard
Base to Base:	RS485	RS485	Ethernet Connection: 10/100 Base-T	IEEE-802.11b
Bases/System:	16	16	Protocol:TCP/IP, UDP/IP, ARP/RARP, DHCP for IPv4	Access Point
Terminals/Base:	15	99	Piconet Support: up to 7 terminals	
Terminals/System:	45	99		

Communication

RS-232:	Transmission speed up to 115.2k bps
IrDA:	Standard 1.0 compatible, up to 115.2k bps
Serial IR:	Up to 115.2k bps transmission rate

Accessories

RS-232 cable, USB cable, charging & Communication Cradle

Warranty

1 Year

General Characteristics

CPU:	16-bit CMOS, low power consumption
Program memory:	1MB flash memory
Data memory:	256KB SRAM
Display:	128x64 graphic dots FSTN with LED back-light
Keyed:	24 Numeric or 39 Alphanumeric rubber keys

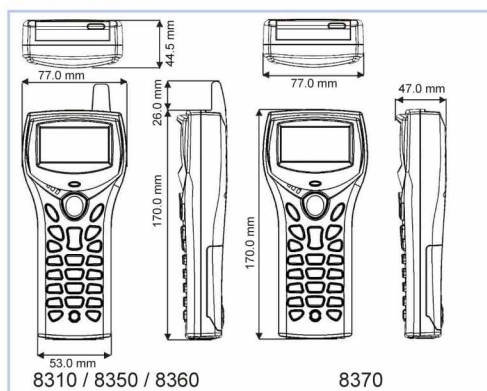
Dimensions

Size:	196mm (L) x 77mm (W) x 44.5mm (H)
Weight:	280g (including batteries)

Programming Language

"C", "BASIC", and Windows-based Application Generator

Dimensions



Headquarters <http://www.cipherlab.com>

Syntech Information Co., Ltd. 12F, 333 Dunhua S. Rd., Sec 2 Taipei, Taiwan 106 TEL: +886 2 8647-3300 FAX: + 886 2 8732-3300

USA <http://www.cipherlab.com>

Syntech West Inc. 3404 57th Street, NW Suite B, Gig Harbor, WA 98335, U.S.A. TEL: +1 253 858-7906 FAX: +1 253 858-7713